

# PF40281BX-D532-S99 SUNON 12VDC 40x40x28mm PWM Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [966469632802](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$8.99**

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Product Page:

<https://www.equipspares.com/product/pf40281bx-d532-s99-sunon-12vdc-40x40x28mm-pwm-axial-fan>

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## Product Description

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The SUNON PF40281BX-D532-S99 is a high-performance DC axial fan engineered for mission-critical thermal management in compact electronic enclosures. Utilizing advanced motor technology and a robust dual ball bearing architecture, this unit ensures exceptional longevity and stability under continuous high-speed operation. The aerodynamic blade design minimizes turbulence while maximizing airflow efficiency, effectively reducing thermal impedance in dense systems. Its structural rigidity and precise balancing make it ideal for high-vibration environments requiring reliable heat dissipation and sustained static pressure.

Model Number: PF40281BX-D532-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.64 A

Power Consumption: 7.73 W

Rated Speed: 17600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.9 CFM (42.3 m<sup>3</sup>/h / 0.70 m<sup>3</sup>/min)

Max. Static Pressure: 1.95 inH<sub>2</sub>O (485.7 Pa / 49.5 mmH<sub>2</sub>O)

Dimensions: 40x40x28 mm

Weight: 42 g

Life Expectancy: 70000 Hours at 40°C

Speed Control: PWM

Termination: 4-Wire Lead

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Ingress Protection: IP51

Safety Certifications: UL, CUR, TUV

Designed for high-density electronic environments, the PF40281BX-D532-S99 excels in server rack cooling and telecommunications infrastructure where space is limited but heat generation is high. This fan is frequently integrated into 1U servers, redundant power supplies, and industrial automation control panels to maintain optimal operating temperatures. The PF40281BX-D532-S99 is also suitable for precision medical instrumentation and network switches, ensuring component reliability through consistent forced air convection.

## Supplemental Images

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